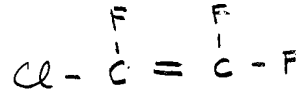


## CLAIMS



- Sub  $\beta_1$  7.
1. A process for the synthesis of chlorotrifluoroethylene (PCTFE) (co)polymers, containing at least 80% by moles of CTFE, the complement to 100 being one or more fluorinated monomers, preferably the complement to 100 is formed of one or more perfluorinated monomers, characterized in that the reaction medium comprises (per)fluoropolyoxyalkylene microemulsions wherein the fluorinated surfactant is salified with sodium and/or potassium and an inorganic potassium and/or sodium initiator.
  2. A process according to claim 1, wherein the fluorinated surfactant is selected from the products of general formula
 
$$\text{R}_f, -\text{X}^-\text{M}^+$$
 wherein  $\text{R}_f$  is a  $\text{C}_5$ - $\text{C}_{14}$  (per)fluoroalkyl chain, or a (per)fluoropolyoxyalkylene chain,  $\text{X}^-$  is  $-\text{COO}^-$  or  $-\text{SO}_3^-$ ,  $\text{M}^+$  is selected between  $\text{Na}^+$  and  $\text{K}^+$ .
  3. A process according to claim 2, wherein  $\text{M}^+$  is preferably  $\text{K}^+$ .
  4. A process according to ~~claims 1-3~~ <sup>claim 1</sup>, wherein potassium inorganic initiators are preferred.
  5. A process according to claim 4, wherein the potassium inorganic initiator is ~~potassium persulphate~~ <sup>potassium persulphate</sup>.
  6. A process according to ~~claims 1-5~~ <sup>claim 1</sup>, wherein the tempera-

ture is in the range 0°C-150°C and the pressure is in the range 3-80 bar.

Sub. 7.  
B2  
A  
A process according to claim 6, wherein the temperature ranges between 10°C and 70°C and the pressure between 4 and 20 bar.

Claim 10  
A process according to ~~claims 1-7~~, wherein the presence of liquid CTFE in the reaction medium is preferred.

Add B3>

09542286-070709